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1 [Frontiers in electronic media](#)



Kim H. Veltman

July 1997

[interactions](#), Volume 4 Issue 4

Publisher: ACM

Full text available: [Pdf](#) (11.63 MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#),
[review](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 139, Citation Count: 3

2 Multiresolution green's function methods for interactive simulation of large-scale elastostatic objects



Doug L. James, Dinesh K. Pai

January 2003 ACM Transactions on Graphics (TOG), Volume 22 Issue 1

Publisher: ACM

Full text available: Pdf (8.69 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 145, Citation Count: 9

We present a framework for low-latency interactive simulation of linear elastostatic models, and other systems arising from linear elliptic partial differential equations, which makes it feasible to interactively simulate large-scale physical models. ...

Keywords: Capacitance matrix, Green's function, deformation, elastostatic, fast summation, force feedback, interactive real-time applications, lifting scheme, real-time, updating, wavelets

3 Book preview



Marisa Campbell

January 2002 interactions, Volume 9 Issue 1

Publisher: ACM

Full text available: Html (13.13 KB), Pdf (262.79 KB)

Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 21, Citation Count: 0

4 User-directed analysis of scanned images



Steven J. Simske, Jordi Arnabat

November 2003 DocEng '03: Proceedings of the 2003 ACM symposium on Document engineering

Publisher: ACM

Full text available: Pdf (3.36 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 132, Citation Count: 1

Digital capture (scanning in all its forms, and digital photography/video recording), in providing virtually free temporary memory of captured information, allows users to "over-gather" information during capture, and then to discard unwanted material ...

Keywords: bottom-up analysis, classification, click and select, preview display, scanning, segmentation, user interface, zoning

5 Recognizing creative needs in user interface design

 Michael Terry, Elizabeth D. Mynatt

October 2002 C&C '02: Proceedings of the 4th conference on Creativity & cognition

Publisher: ACM

Full text available:  [PDF](#) (478.46 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 340, Citation Count: 11

The creative process requires experimentation, the exploration of variations, and the continual evaluation of one's progress. While these processes are frequently non-linear and iterative, modern user interfaces do not explicitly support these practices, ...

Keywords: creativity, image manipulation, non-linear interaction model, on-demand previews, open-ended tasks, side view

6 An adaptive viewing application for the web on personal digital assistants

 Kwang Bok Lee, Roger A. Grice

October 2003 SI GDOC '03: Proceedings of the 21st annual international conference on Documentation

Publisher: ACM

Full text available:  [PDF](#) (536.50 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 73, Citation Count: 4

With the proliferation of Personal Digital Assistants (PDAs), people are using such small devices to access the web; however, the web is not accommodating such access. Here, for small devices' users, we present an efficient method for extracting readable ...

Keywords: adaptive user interfaces (AUIs), intermediaries and web intermediaries (WBI), personal digital assistants (PDAs)

7 "Physical hypermedia": organising collections of mixed physical and digital material

 Kaj Grønbæk, Jannie F. Kristensen, Peter Ørbæk, Mette Agger Eriksen

August 2003 HYPERTEXT '03: Proceedings of the fourteenth ACM conference on Hypertext and hypermedia

Publisher: ACM

Full text available:  [PDF](#) (841.02 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 90, Citation Count: 17

This paper addresses the problem of organizing material in mixed digital and physical environments. It presents empirical examples of how people use collectional artefacts and organize physical material such as paper, samples, models, mock-ups, plans, ...

Keywords: augmented reality, collections of materials, physical and digital, spatial hypermedia, tagging

8 The parks PDA: a handheld device for theme park guests in squeak

 Yoshiki Ohshima, John Maloney, Andy Ogden
October 2003 OOPSLA '03: Companion of the 18th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications

Publisher: ACM

Full text available:  [Pdf](#) (488.82 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 140, Citation Count: 0

The Parks PDA is a lightweight, handheld device for theme park guests that functions as a combination guidebook, map, and digital camera. Together with a small team of artists and designers, we created a prototype Parks PDA and content for a three hour ...

Keywords: PDA, development environment, end-user software, handheld device, multimedia data management, rapid software development

9 Palette: a paper interface for giving presentations

 Les Nelson, Satoshi Ichimura, Elin Rønby Pedersen, Lia Adams
May 1999 CHI '99: Proceedings of the SIGCHI conference on Human factors in computing systems: the CHI is the limit

Publisher: ACM

Full text available:  [Pdf](#) (1.11 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 41, Citation Count: 32

The Palette is a digital appliance designed for intuitive control of electronic slide shows. Current interfaces demand too much of our attention to permit effective computer use in situations where we can not give the technology our fullest concentration. ...

Keywords: interaction design, paper interfaces, physically embodied interfaces, presentation applicance, static interaction

10 Using properties for uniform interaction in the Presto document system

 Paul Dourish, W. Keith Edwards, Anthony LaMarca, Michael Salisbury
November 1999 UIST '99: Proceedings of the 12th annual ACM symposium on User interface software and technology

Publisher: ACM

Full text available:  Pdf (477.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 38, Citation Count: 10

Most document or information management systems rely on hierarchies to organise documents (e.g. files, email messages or web bookmarks). However, the rigid structures of hierarchical schemes do not mesh well with the more fluid nature of everyday document ...

Keywords: document interfaces, document management, document properties, interaction models

11 Using thumbnails to search the Web

 Allison Woodruff, Andrew Faulring, Ruth Rosenholtz, Julie Morrison, Peter Pirolli
March 2001 CHI '01: Proceedings of the SIGCHI conference on Human factors in computing systems

Publisher: ACM

Full text available:  Pdf (424.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 117, Citation Count: 26

We introduce a technique for creating novel, textually-enhanced thumbnails of Web pages. These thumbnails combine the advantages of image thumbnails and text summaries to provide consistent performance on a variety of tasks. We conducted a study in which ...

Keywords: Web search task, thumbnails

12 Inventing the Lisa user interface

 Roderick Perkins, Dan Smith Keller, Frank Ludolph
January 1997 interactions, Volume 4 Issue 1

Publisher: ACM

Full text available:  Pdf (1.07 MB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 107, Citation Count: 4

13 The Anti-Mac interface

 Don Gentner, Jakob Nielsen

August 1996 Communications of the ACM, Volume 39 Issue 8

Publisher: ACM

Full text available:  [PDF](#) (365.38 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#),
[review](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 363, Citation Count: 20

14 Document management and Web technologies: Alice marries the Mad Hatter

 V. Balasubramanian, Alf Bashian

July 1998 Communications of the ACM, Volume 41 Issue 7

Publisher: ACM

Full text available:  [PDF](#) (209.52 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#),
[review](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 148, Citation Count: 4

15 An extensible approach to imagery of gridded data

 Geoffrey Dutton

July 1977 SIGGRAPH '77: Proceedings of the 4th annual conference on Computer graphics and interactive techniques

Publisher: ACM

Full text available:  [PDF](#) (3.19 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 35, Citation Count: 2

A program offering a variety of cartographic techniques for mapping gridded data is described. Dot-distribution maps, several forms of contour maps and screen-toned maps are currently implemented for plotter and vector CRT. The structure and logic of ...

Keywords: analytic hill-shading, cartography, contour mapping, device independence, dot-distribution mapping, gridded data, halftone imagery, inclined contour mapping, spatial analysis, spatial gradients, thematic mapping, vector graphics, virtual graphics, virtual memory

16 An extensible approach to imagery of gridded data



Geoffrey Dutton

August 1977 ACM SIGGRAPH Computer Graphics, Volume 11 Issue 2

Publisher: ACM

Full text available: [PDF](#) (3.19 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 35, Citation Count: 2

A program offering a variety of cartographic techniques for mapping gridded data is described. Dot-distribution maps, several forms of contour maps and screen-toned maps are currently implemented for plotter and vector CRT. The structure and logic of ...

Keywords: analytic hill-shading, cartography, contour mapping, device independence, dot-distribution mapping, gridded data, halftone imagery, inclined contour mapping, spatial analysis, spatial gradients, thematic mapping, vector graphics, virtual graphics, virtual memory

17 Interactive simulation of fire in virtual building environments

Richard Bukowski, Carlo Séquin

August 1997 SIGGRAPH '97: Proceedings of the 24th annual conference on Computer graphics and interactive techniques

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available: [PDF](#) (287.97 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 172, Citation Count: 6

Keywords: information visualization, interactive techniques, scientific visualization, simulation, virtual reality, virtual/interactive environments

18 ACM SIGGRAPH Computer Graphics: Volume 37 Issue 2



May 2003 issue Volume 37 Issue 2

Publisher: ACM

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

19 [Introducing scribus](#)

Peter Linnell

November 2003 Linux Journal, Volume 2003 Issue 115

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [Html](#) (30.56 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation Count: 0

Take desktop publishing off the shrinking list of applications Linux doesn't have, and create press-ready documents with a new GPL program.

20 [The kinedit system: affective messages using dynamic texts](#)

 Jodi Forlizzi, Johnny Lee, Scott Hudson
April CHI '03: Proceedings of the SIGCHI conference on Human factors in
2003 computing systems

Publisher: ACM

Full text available:  [Pdf](#) (1.47 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index](#), [terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 86, Citation Count: 9

Kinetic (dynamic) typography has demonstrated the ability to add significant emotive content and appeal to expressive text, allowing some of the qualities normally found in film and the spoken word to be added to static text. Kinetic typography has been ...

Keywords: editing tools, expressive communications, kinetic typography

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